INDEX

Antonia, R. A., Rajagopalan, S., Subramanian, C. S. & Chambers, A. J. Reynolds-number dependence of the structure of a turbulent boundary layer, 123–140

Aranha, J. A., Yue, D. K. P. & Mei, C. C. Nonlinear waves near a cut-off frequency in an acoustic duct – a numerical study, 465–485

Benjamin, T. B. & Mullin, T. Notes on the multiplicity of flows in the Taylor experiment, 219–230

Bodonyi, R. J. *See* Stewartson, Simpson & Bodonyi

Cargill, A. M. Low-frequency sound radiation and generation due to the interaction of unsteady flow with a jet pipe, 59–105

Carlson, D. R., Widnall, S. E. & Peeters, M. F. A flow-visualization study of transition in plane Poiseuille flow, 487–505

Chambers, A. J. *See* Antonia, Rajagopalan, Subramanian & Chambers

Corcos, G. M. *See* Ivey & Corcos

Davis, S. H. *See* Sen & Davis; Smith & Davis

Didden, N. & Maxworthy, T. The viscous spreading of plane and axisymmetric gravity currents, 27–42

Durbin, P. A. The premixed flame in uniform straining flow, 141–161

Gaster, M. Estimates of the errors incurred in various asymptotic representations of wave packets, 365–377

Helfgott, A. *See* Tuck, Helfgott & Yeung

Hocking, L. M. & Rivers, A. D. The spreading of a drop by capillary action, 425–442

Hulme, A. The wave forces on a floating hemisphere undergoing forced periodic oscillations, 443–463

Huppert, H. E. The propagation of two-dimensional and axisymmetric viscous gravity currents over a rigid horizontal surface, 43–58

Hutter, K. *See* Raggio & Hutter

Ivey, G. N. & Corcos, G. M. Boundary mixing in a stratified fluid, 1–26

Kamkar, H. & Moffatt, H. K. A dynamic runaway effect associated with flux expulsion in magnetohydrodynamic channel flow, 107–122

Longuet-Higgins, M. S. Parametric solutions for breaking waves, 403–424

Maxworthy, T. *See* Didden & Maxworthy

Mei, C. C. *See* Aranha, Yue & Mei

Moffatt, H. K. *See* Kamkar & Moffatt

Mullin, T. Mutations of steady capillary flows in the Taylor experiment, 207–218

Mullin, T. *See* Benjamin & Mullin

Peeters, M. F. *See* Carlson, Widnall & Peeters

Raggio, G. & Hutter, K. An extended channel model for the prediction of motion in elongated homogeneous lakes. Part 1. Theoretical introduction, 231–255

Raggio, G. & Hutter, K. An extended channel model for the prediction of motion in elongated homogeneous lakes. Part 2. First-order model applied to ideal geometry: rectangular basins with flat bottom, 257–281

Raggio, G. & Hutter, K. An extended channel model for the prediction of motion in elongated homogeneous lakes. Part 3. Free oscillations in natural basins, 283–299

Rajagopalan, S. *See* Antonia, Rajagopalan, Subramanian & Chambers

Rivers, A. D. *See* Hocking & Rivers

Schubert, G. & Straus, J. M. Transitions in time-dependent thermal convection in fluid-saturated porous media, 301–313

INDEX

Antonia, R. A., Rajagopalan, S., Subramanian, C. S. & Chambers, A. J. Reynolds-number dependence of the structure of a turbulent boundary layer, 123–140

Aranha, J. A., Yue, D. K. P. & Mei, C. C. Nonlinear waves near a cut-off frequency in an acoustic duct – a numerical study, 465–485

Benjamin, T. B. & Mullin, T. Notes on the multiplicity of flows in the Taylor experiment, 219–230

Bodonyi, R. J. *See* Stewartson, Simpson & Bodonyi

Cargill, A. M. Low-frequency sound radiation and generation due to the interaction of unsteady flow with a jet pipe, 59–105

Carlson, D. R., Widnall, S. E. & Peeters, M. F. A flow-visualization study of transition in plane Poiseuille flow, 487–505

Chambers, A. J. *See* Antonia, Rajagopalan, Subramanian & Chambers

Corcos, G. M. *See* Ivey & Corcos

Davis, S. H. *See* Sen & Davis; Smith & Davis

Didden, N. & Maxworthy, T. The viscous spreading of plane and axisymmetric gravity currents, 27–42

Durbin, P. A. The premixed flame in uniform straining flow, 141–161

Gaster, M. Estimates of the errors incurred in various asymptotic representations of wave packets, 365–377

Helfgott, A. *See* Tuck, Helfgott & Yeung

Hocking, L. M. & Rivers, A. D. The spreading of a drop by capillary action, 425–442

Hulme, A. The wave forces on a floating hemisphere undergoing forced periodic oscillations, 443–463

Huppert, H. E. The propagation of two-dimensional and axisymmetric viscous gravity currents over a rigid horizontal surface, 43–58

Hutter, K. *See* Raggio & Hutter

Ivey, G. N. & Corcos, G. M. Boundary mixing in a stratified fluid, 1–26

Kamkar, H. & Moffatt, H. K. A dynamic runaway effect associated with flux expulsion in magnetohydrodynamic channel flow, 107–122

Longuet-Higgins, M. S. Parametric solutions for breaking waves, 403–424

Maxworthy, T. *See* Didden & Maxworthy

Mei, C. C. *See* Aranha, Yue & Mei

Moffatt, H. K. *See* Kamkar & Moffatt

Mullin, T. Mutations of steady capillary flows in the Taylor experiment, 207–218

Mullin, T. *See* Benjamin & Mullin

Peeters, M. F. *See* Carlson, Widnall & Peeters

Raggio, G. & Hutter, K. An extended channel model for the prediction of motion in elongated homogeneous lakes. Part 1. Theoretical introduction, 231–255

Raggio, G. & Hutter, K. An extended channel model for the prediction of motion in elongated homogeneous lakes. Part 2. First-order model applied to ideal geometry: rectangular basins with flat bottom, 257–281

Raggio, G. & Hutter, K. An extended channel model for the prediction of motion in elongated homogeneous lakes. Part 3. Free oscillations in natural basins, 283–299

Rajagopalan, S. *See* Antonia, Rajagopalan, Subramanian & Chambers

Rivers, A. D. *See* Hocking & Rivers

Schubert, G. & Straus, J. M. Transitions in time-dependent thermal convection in fluid-saturated porous media, 301–313

Sen, A. K. & Davis, S. H. Steady thermocapillary flows in two-dimensional slots, 163–186

Shepherd, J. E. & Sturtevant, B. Rapid evaporation at the superheat limit, 379–402

Simpson, C. J. *See* Stewartson, Simpson & Bodonyi

Smith, M. K. & Davis, S. H. The instability of sheared liquid layers, 187–206

Stewartson, K., Simpson, C. J. & Bodonyi, R. J. The unsteady boundary layer on a rotating disk in a counter-rotating fluid. Part 2. 507–515

Straus, J. M. *See* Schubert & Straus

Sturtevant, B. *See* Shepherd & Sturtevant

Subramanian, C. S. *See* Antonia, Rajagopalan, Subramanian & Chambers

Tuck, E. O., Helfgott, A. & Yeung, R. W. Cambered valve leaflets that maximize initial rate of closure, 517–529

Umemura, A. Matched-asymptotic analysis of low-Reynolds-number flow past two equal circular cylinders, 345–363

Weinbaum, S. *See* Wu & Weinbaum

Widnall, S. E. *See* Carlson, Widnall & Peeters

Wu, R. & Weinbaum, S. On the development of fluid trapping beneath deformable fluid-cell membranes, 315–343

Yeung, R. W. *See* Tuck, Helfgott & Yeung

Yue, D. K. P. *See* Aranha, Yue & Mei

REVIEWS

Turbulent Reacting Flows, edited by P. A. Libby and F. A. Williams, 530–531

Engineering Calculation Methods for Turbulent Flow, by P. Bradshaw, T. Cebeci and J. H. Whitelaw, 531–532